

ASTM D1785, ASTM D 2665

The specification ASTM D 1785 - 88 covers unplasticised polyvinyl chloride (PVC) pipes, made in SCH-40 and 80 for water distribution and irrigation systems.

The specification ASTM D 2665 - 88 covers unplasticised polyvinyl chloride (PVC) pipes for Drain, Waste and Vent application.

Nominal Size inch	Outside Diameter (mm)		Wall Thickness (mm)					
			ASTM D 1785 Schedule 40		ASTM D 1785 Schedule 80		ASTM D2665 (Drain, Waste, Vent)	
	Min	Max	Min	Max	Min	Max	Min	Max
1/2	21.24	21.44	2.77	3.28	3.73	4.24	-	-
3/4	26.57	26.77	2.87	3.38	3.91	4.42	-	-
1	33.27	33.53	3.38	3.89	4.55	5.08	-	-
1-1/4	42.03	42.29	3.56	4.07	4.85	5.43	3.56	4.07
1-1/2	48.11	48.41	3.68	4.19	5.08	5.69	3.68	4.19
2	60.17	60.47	3.91	4.42	5.54	6.20	3.91	4.42
2-1/2	72.84	73.20	5.16	5.77	7.01	7.85		
3	88.70	89.10	5.49	6.15	7.62	8.53	5.49	6.15
4	114.07	114.53	6.02	6.73	8.56	9.58	6.02	6.73
5	141.05	141.55	6.55	7.34	9.52	10.66	-	-
6	168.00	168.56	7.11	7.97	10.97	12.29	7.11	7.97
8	218.70	219.46	8.18	9.17	12.70	14.22	8.18	9.17

Pressure rating at 23° C												
Size (inch)	Pressure Rating (P.S.I)											
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8
Schedule 40	600	480	450	370	330	280	300	260	220	190	180	160
Schedule 80	850	690	630	520	470	400	420	370	320	290	280	250

Manufactured to	:	ASTM D1785-88-SCHEDULE 40, 80, and ASTM D2665
Standard Length	:	4, 5.8 & meters
Colour	:	Schedule 40 - White, Schedule 80 - Dark Grey, ASTM D 2665 - White
Socket type	:	Solvent Weld Plain end.

Note:

The pipes will be manufactured as PVC - 1120

ASTM D2241

The specification covers unplasticised polyvinyl chloried (PVC) pressure rated pipes (SDR - Series)

Nominal Size inch	Outside Diameter mm		Wall Thickness (mm)											
			Standard Dimension Ratio (SDR)											
			41		32.5		26		21		17		13.5	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1/2	21.24	21.44											1.57	2.08
3/4	26.57	26.77							1.52	2.03	1.57	2.08	1.98	2.49
1	33.27	33.53					1.52	2.23	1.60	2.11	1.96	2.46	2.46	2.97
1-1/4	42.03	42.29			1.52	2.03	1.63	2.13	2.01	2.52	2.49	3.00	3.12	3.63
1-1/2	48.11	48.41			1.52	2.03	1.85	2.36	2.29	2.80	2.84	3.35	3.58	4.09
2	60.17	60.47			1.85	2.36	2.31	2.82	2.87	3.38	3.56	4.06	4.47	4.98
3	88.70	89.10	2.16	2.67	2.74	3.25	3.43	3.94	4.24	4.75	5.23	5.87	6.58	7.37
4	114.07	114.53	2.80	3.30	3.51	4.01	4.39	4.90	5.44	6.10	6.73	7.54	8.46	9.47
6	168.00	168.55	4.11	4.62	5.18	5.79	6.48	7.26	8.03	9.00	9.91	11.10	12.47	13.97
8	218.70	219.46	5.33	5.97	6.73	7.54	8.43	9.45	10.41	11.66	12.90	14.45		

Pressure rating at 23°C

Pipe-SDR	41	32.5	26	21	17	13.5
Rating -p.s.i.	100	125	160	200	250	315

Manufactured to : ASTM D2241-88

Standard Length : 5.8 & 6 meters

Colour : White

Socket Type : Solvent Weld

Note:

The pipes will be manufactured as PVC -1120

SDR = Outside Diameter / Minimum Wall Thickness

CPVC Pipes for elevated temperature

The specification covers chlorinated polyvinyl chloride (CPVC) pipe made for water distribution at elevated temperatures.

ASTM F - 441						
Nominal Size inch	Outside Diameter (mm)		Wall Thickness (mm)			
			SCH 40		SCH 80	
	Min	Max	Min	Max	Min	Max
1/2	21.20	21.40	2.77	3.28	3.73	4.24
3/4	26.60	26.70	2.87	3.38	3.91	4.42
1	33.27	33.53	3.38	3.89	4.55	5.08
1-1/4	42.07	42.33	3.56	4.07	4.85	5.43
1-1/2	48.15	48.45	3.68	4.19	5.08	5.69
2	60.15	60.45	3.91	4.42	5.54	6.20

Standard Length : 6 meters
 Colour : Grey

Pressure Rating at 23° C & 83° C				
Nominal Size inch	Pressure Rating(P.S.I)			
	Schedule 40		Schedule 80	
	At 23°C	At 83°C	At 23°C	At 83°C
1/2	600	150	850	210
3/4	480	120	690	171
1	450	110	630	155
1-1/4	370	90	520	130
1-1/2	330	80	470	115
2	280	70	400	100

pipes to SCH 40 are non-stock item. Can be produced on request.